

This Page Is Inserted by IFW Operations
and is not a part of the Official Record

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images may include (but are not limited to):

- BLACK BORDERS
- TEXT CUT OFF AT TOP, BOTTOM OR SIDES
- FADED TEXT
- ILLEGIBLE TEXT
- SKEWED/SLANTED IMAGES
- COLORED PHOTOS
- BLACK OR VERY BLACK AND WHITE DARK PHOTOS
- GRAY SCALE DOCUMENTS

IMAGES ARE BEST AVAILABLE COPY.

**As rescanning documents *will not* correct images,
please do not report the images to the
Image Problem Mailbox.**

COPY

FIG.1

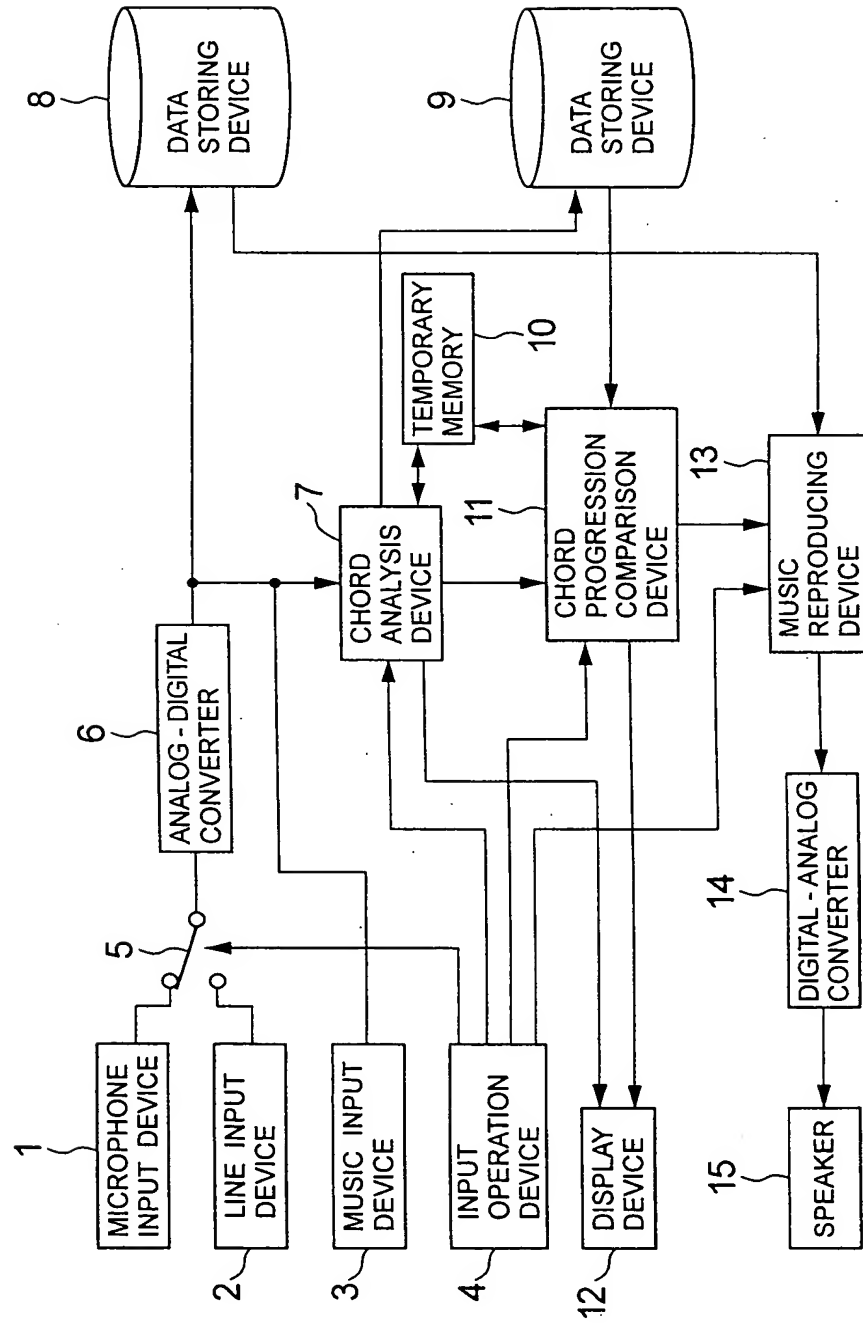
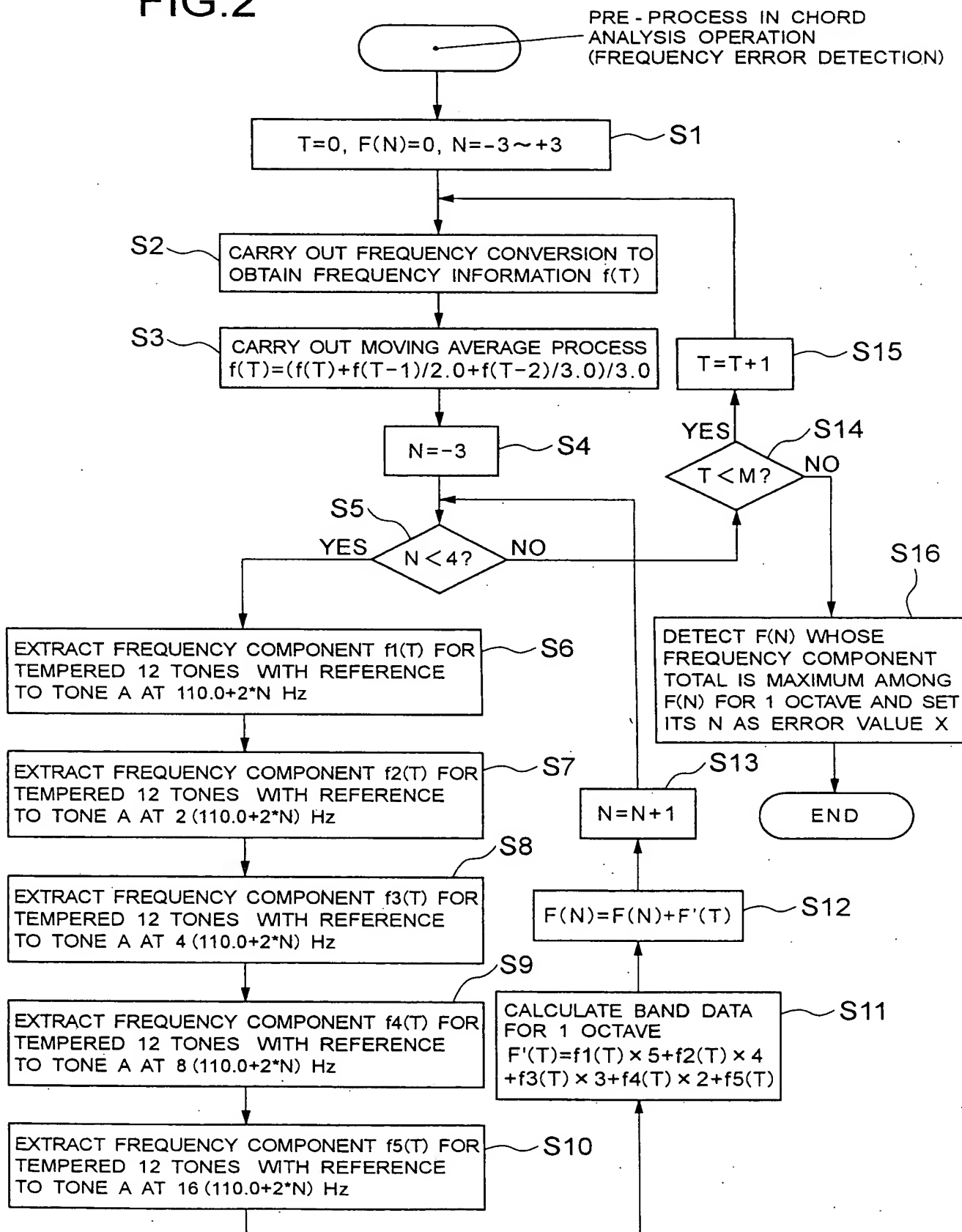


FIG.2



COPY

FIG.3

A	1.0
A#	$A \times 1.059163$
B	$A \times 1.124622$
C	$A \times 1.189207$
C#	$A \times 1.259921$
D	$A \times 1.334840$
D#	$A \times 1.414214$
E	$A \times 1.498307$
F	$A \times 1.587401$
F#	$A \times 1.681793$
G	$A \times 1.781797$
G#	$A \times 1.887749$
A	$A \times 2.0$

FIG. 4

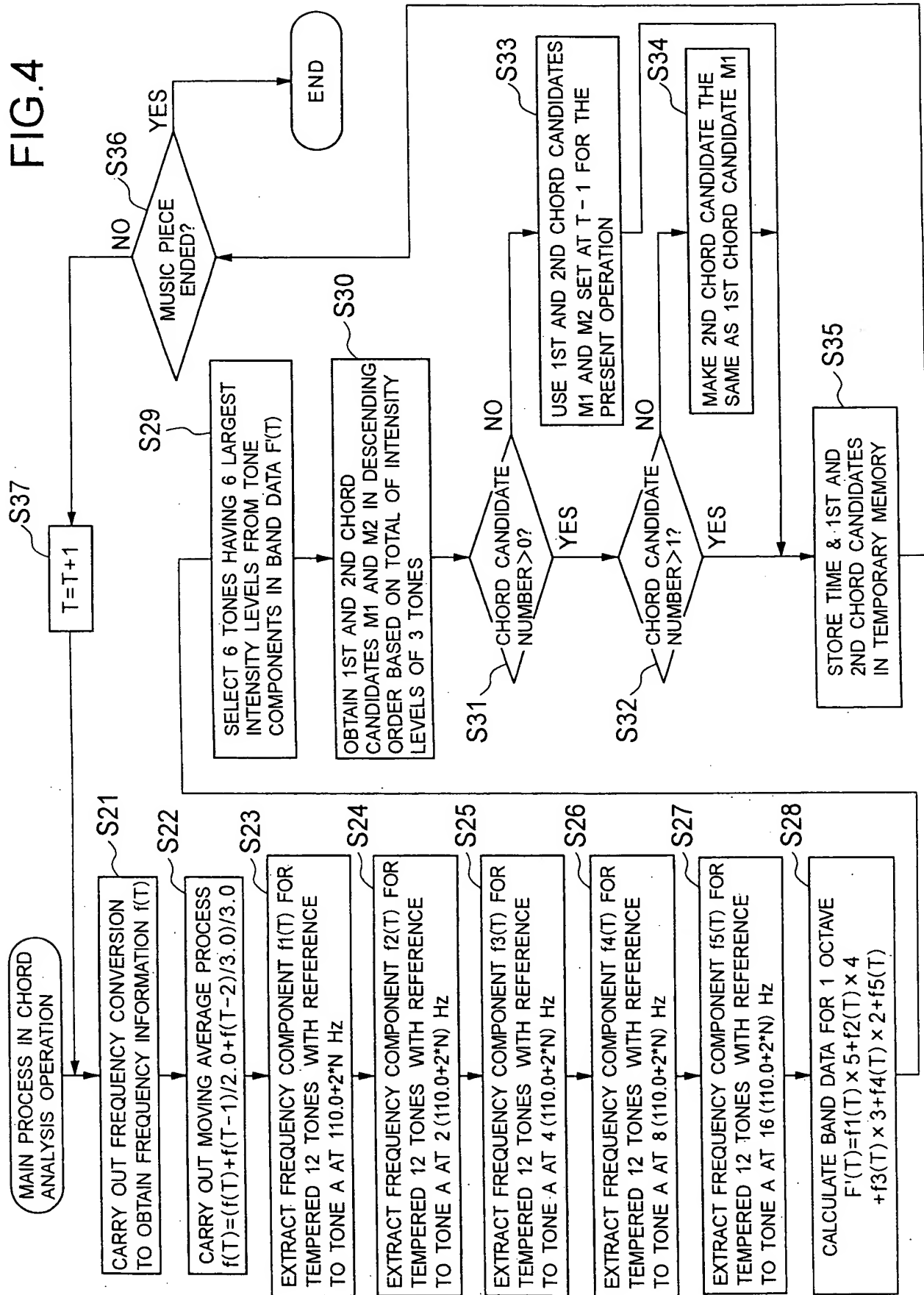


FIG.5

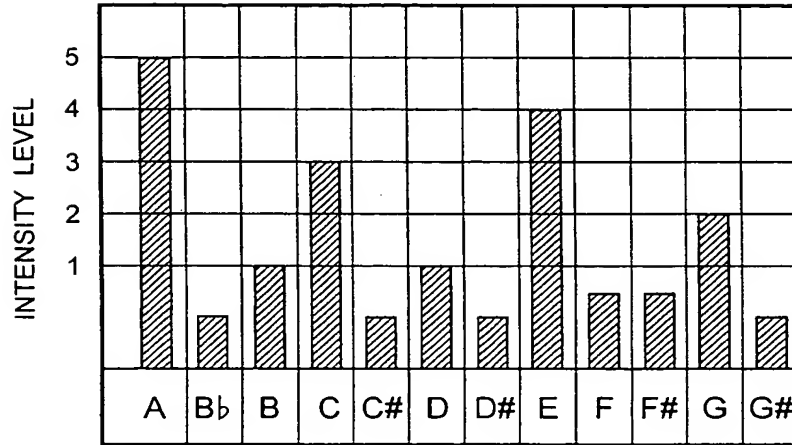


FIG.6

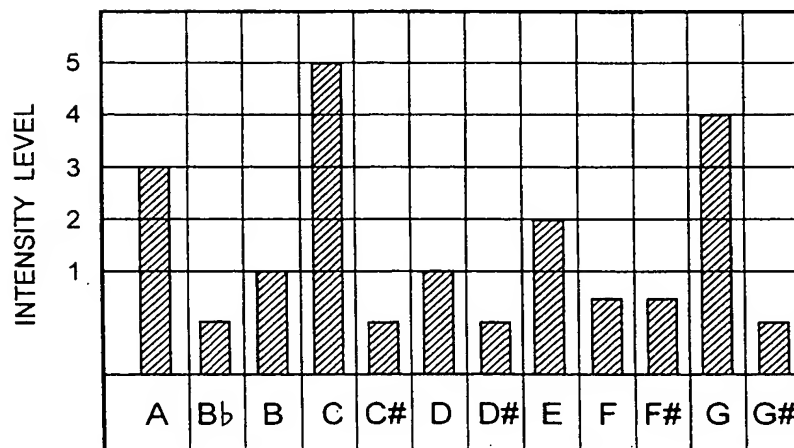


FIG.7

A+C+E+G(Am7)

→ A+C+E(Am) | C+E+G(C)

A+C+E b +F#(Adim7)

→ A+C+E b (Adim7 CANDIDATE) | C+E b +F#(Cdim7 CANDIDATE)

A+C#+E+G(A7)

→ A+C#+E(A) | A+C#+G(A7 CANDIDATE) | C#+E+G(C#dim7 CANDIDATE)

A+C+E+G+B(Am7.9)

→ A+C+E(Am) | C+E+G(C) | E+G+B(Em)

FIG.8

TIME (4 BYTES) 1ST CHORD CANDIDATE (1 BYTE) 2ND CHORD CANDIDATE (1 BYTE)
TIME (4 BYTES) 1ST CHORD CANDIDATE (1 BYTE) 2ND CHORD CANDIDATE (1 BYTE)
⋮
TIME (4 BYTES) 1ST CHORD CANDIDATE (1 BYTE) 2ND CHORD CANDIDATE (1 BYTE)

FIG.9A

FUNDAMENTAL TONE	
A	0 × 00
A#	0 × 01
B	0 × 02
C	0 × 03
C#	0 × 04
D	0 × 05
D#	0 × 06
E	0 × 07
F	0 × 08
F#	0 × 09
G	0 × 0A
G#	0 × 0B

FIG.9B

ATTRIBUTE	
MAJOR	0 × 00
MINOR	0 × 02
7TH CANDIDATE	0 × 01
DIM 7TH CANDIDATE	0 × 03

FIG.9C

ATTRIBUTE (LOWER 4 BITS) + FUNDAMENTAL TONE (LOWER 4 BITS)

FIG.10

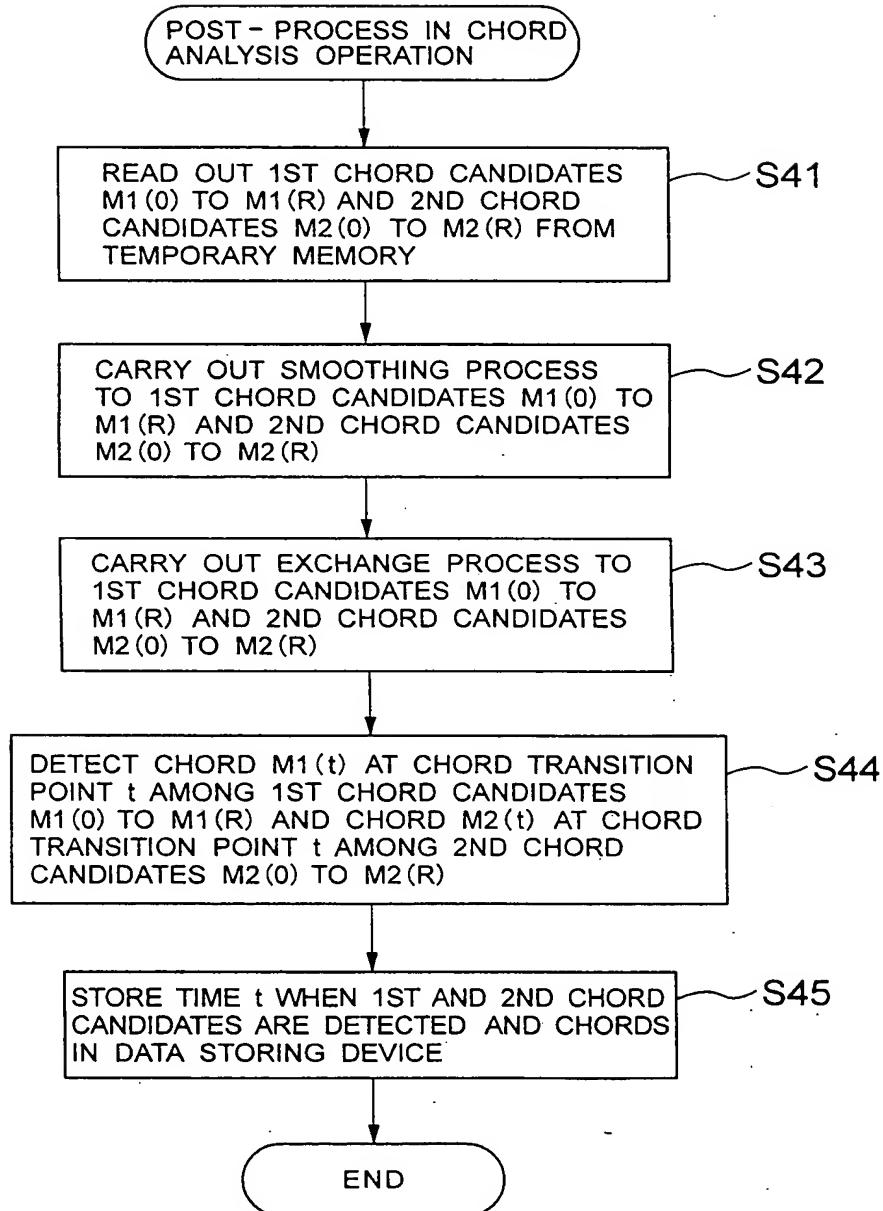


FIG.11

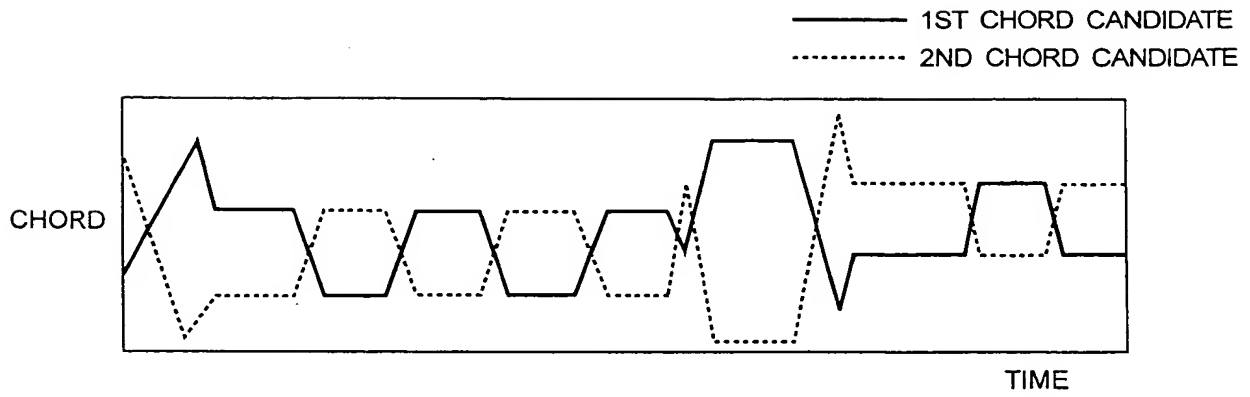


FIG.12

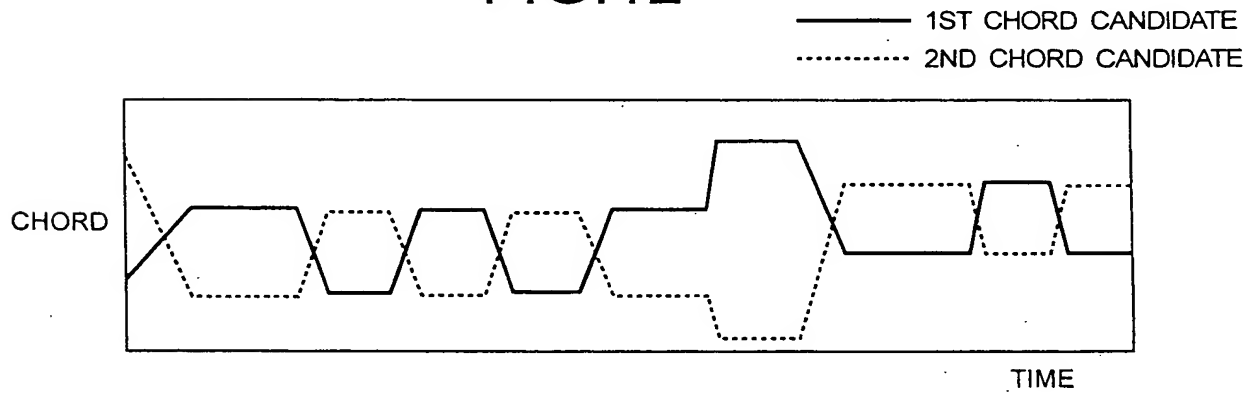
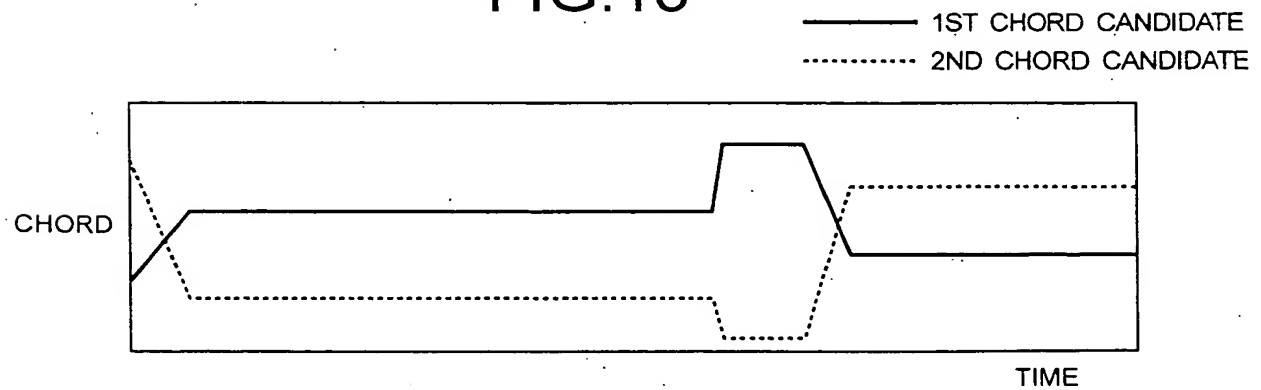


FIG.13



—— 1ST CHORD CANDIDATE
..... 2ND CHORD CANDIDATE

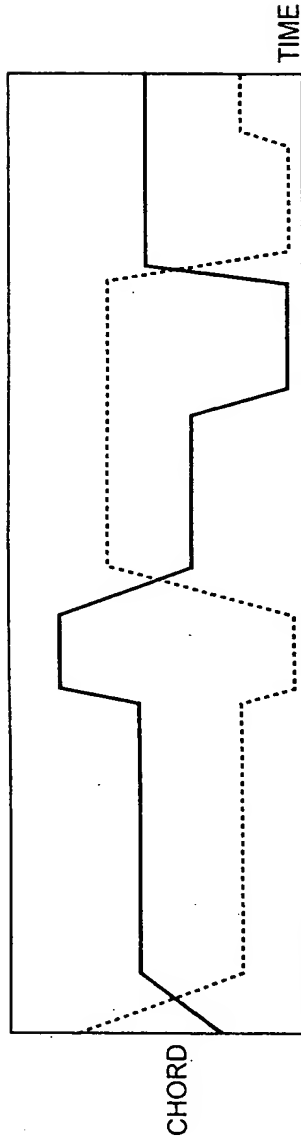


FIG.14A

TRANSITION OF
1ST CHORD
CANDIDATE
F 0x08
←TIME (T1(0))

G 0x0A T1(1)
D 0x05 T1(2)
Bb 0x01 T1(3)
F 0x08 T1(4)

TRANSITION OF
2ND CHORD
CANDIDATE
F 0x03
←TIME (T2(0))

Bb 0x01 T2(1)
F#m 0x29 T2(2)
Bb 0x01 T2(3)
C 0x03 T2(4)

FIG.14B

FIG.14C

IDENTIFICATION INFORMATION FOR MUSIC PIECES (FILE NAMES, ETC.) (512 BYTES)

NUMBER OF 1ST CHORD

CANDIDATES (4 BYTES)

T1(3) (4 BYTES) [0x01] T1(4) (4 BYTES) [0x08]
T1(0) (4 BYTES) [0x08] T1(1) (4 BYTES) [0x0A] T1(2) (4 BYTES) [0x05]

NUMBER OF 2ND CHORD

CANDIDATES (4 BYTES)

T2(3) (4 BYTES) [0x01] T2(4) (4 BYTES) [0x03]
T2(0) (4 BYTES) [0x03] T2(1) (4 BYTES) [0x01] T2(2) (4 BYTES) [0x29]

FIG.14D

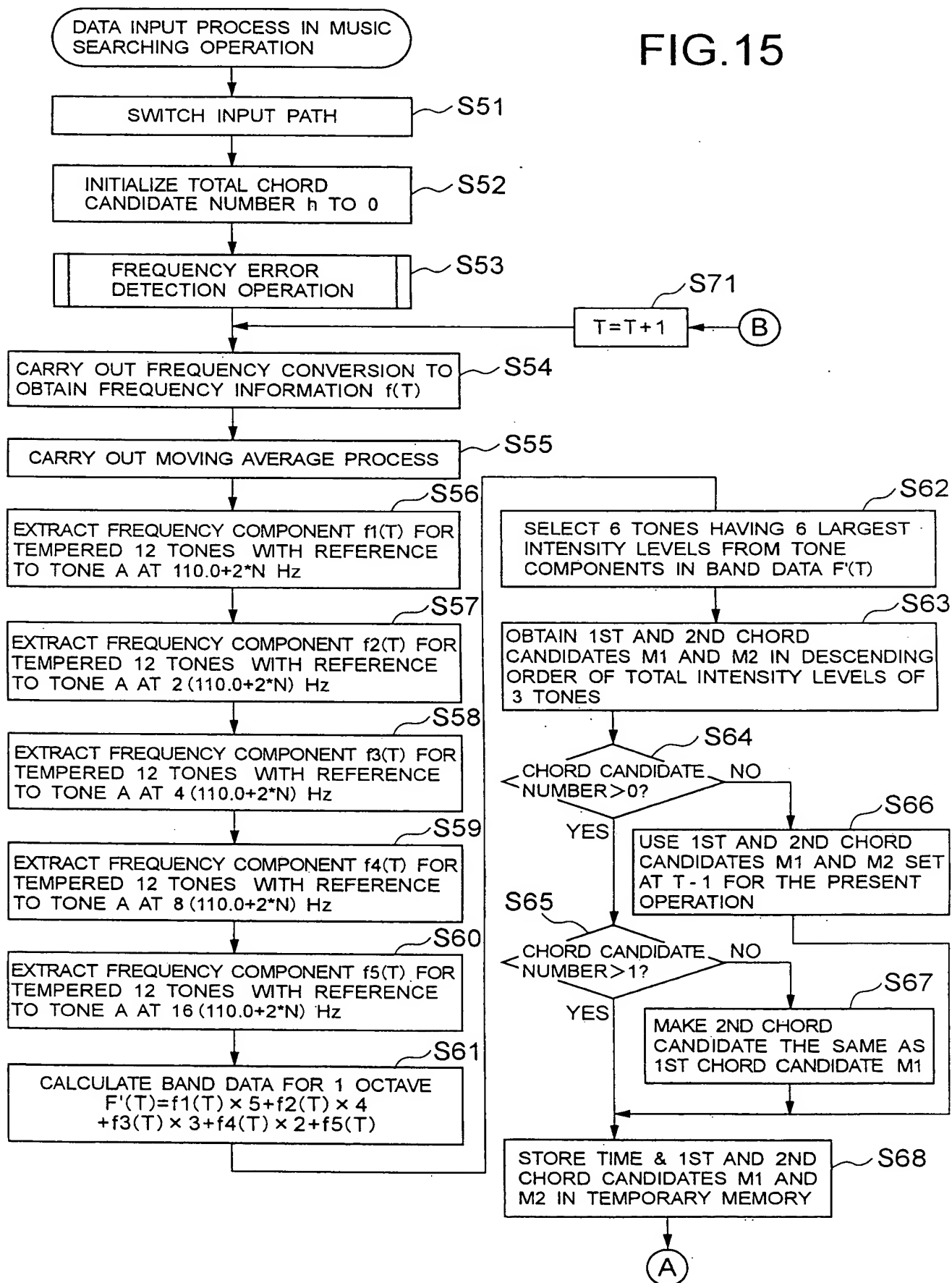
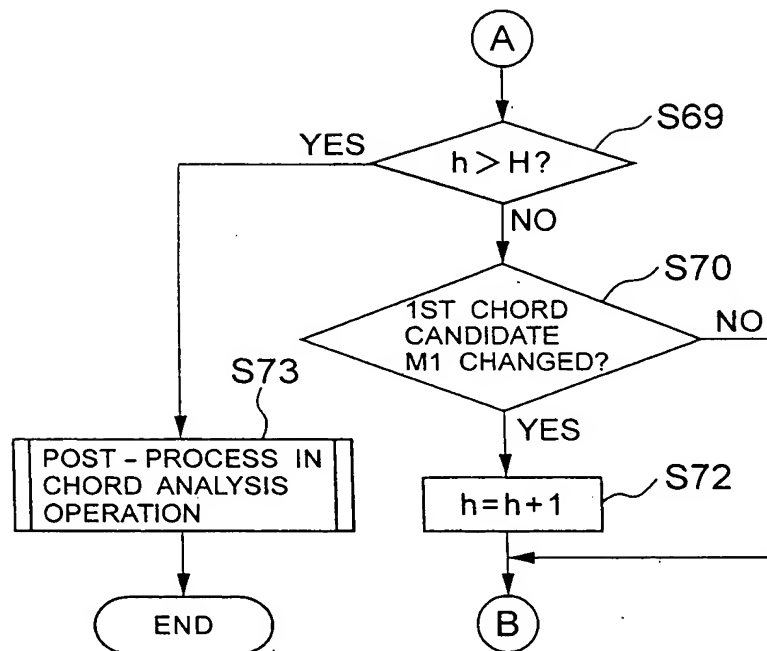
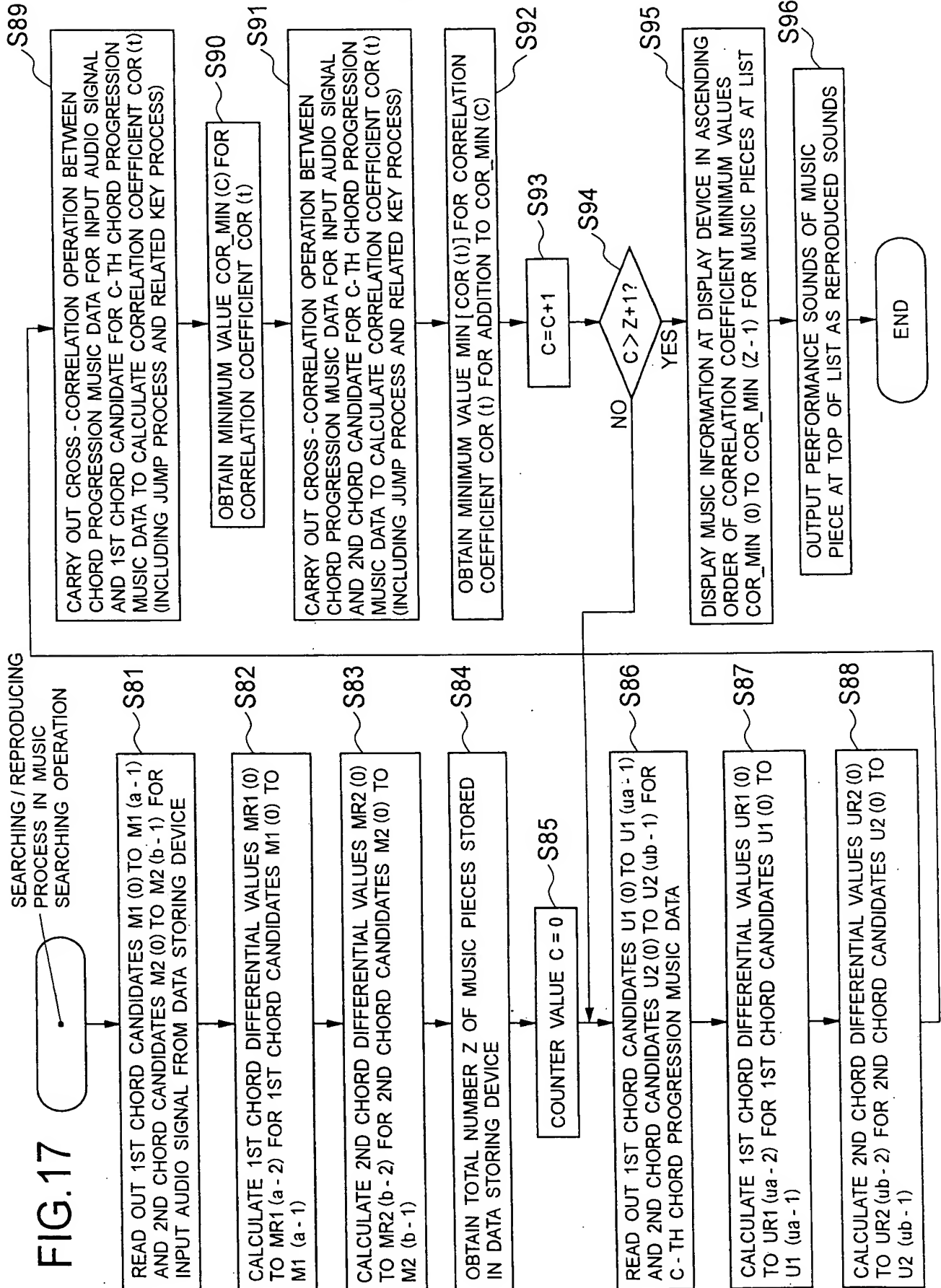
COPY**FIG.15**

FIG.16



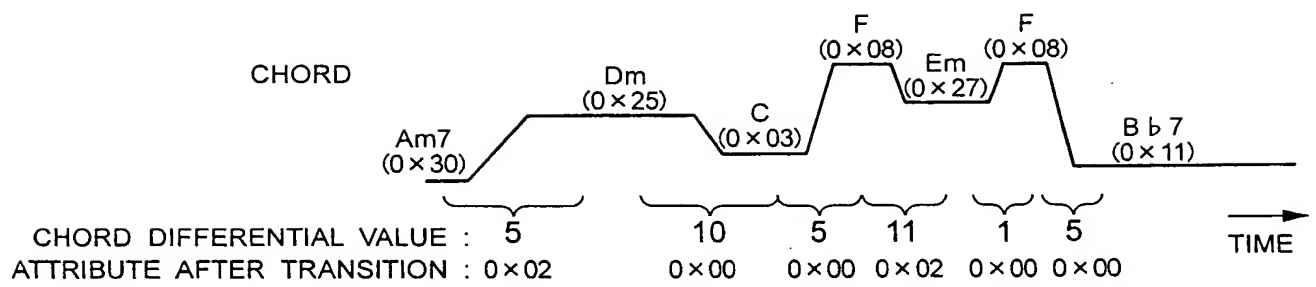
COPY

13 / 16



COPY

FIG.18



COPY

FIG.19B

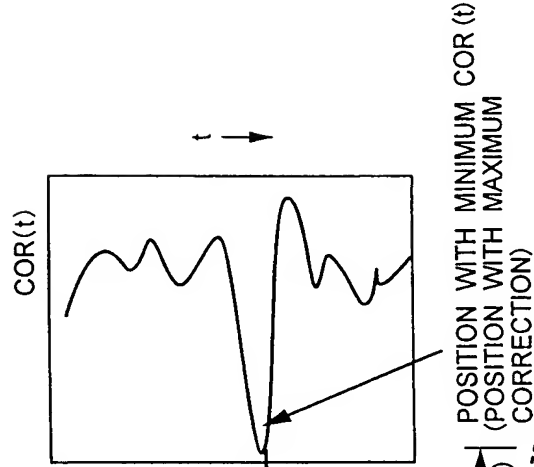


FIG.19A

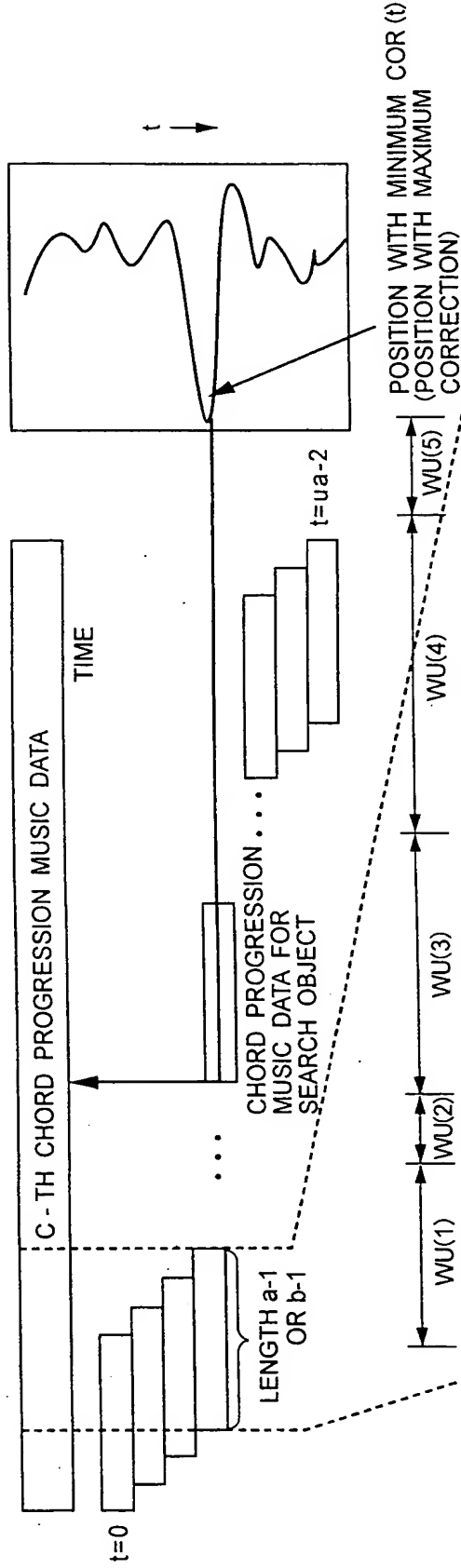
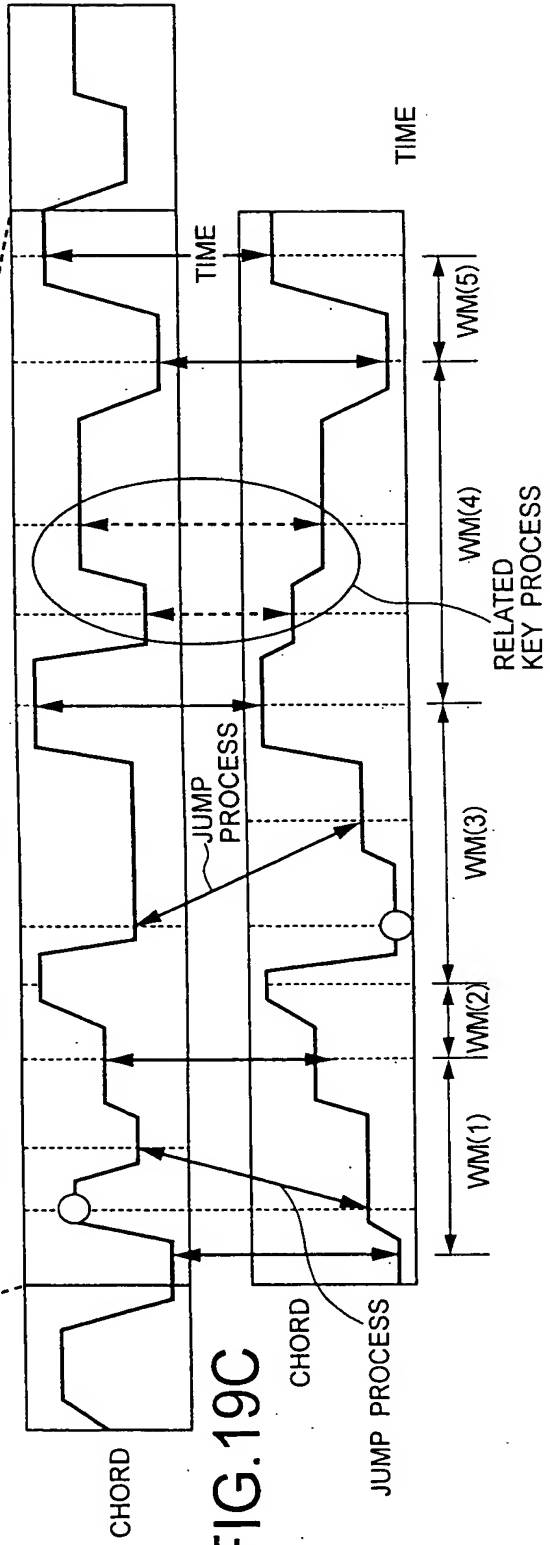


FIG.19C



COPY

FIG.20

